

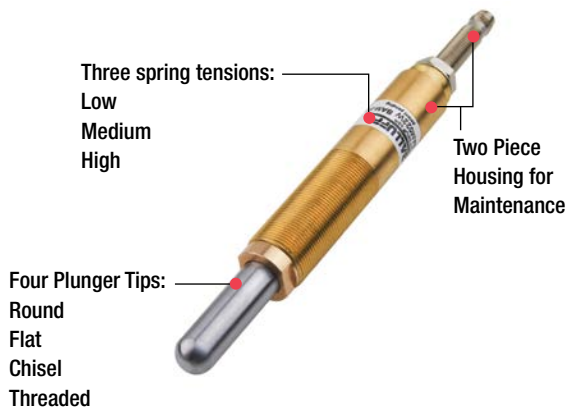
## Robust and Flexible




# PLUNGER PROBE

Balluff's all new Plunger Probe is a highly durable assembly intended for direct contact applications. The heavy duty design allows the ability to come in constant contact with the machine or part to verify presence or position, making it ideal for welding fixtures, stamp and die, and ejection control applications. Mated with Balluff M8 sensors and multiple tip selections, the Plunger Probe offers the maximum in application flexibility. Built to Balluff's high standards, the Plunger Probe is completely serviceable for cleaning and is now offered with NPN sensor offerings.

### Benefits of Plunger Probe:

- High reliability and long service life even in contaminated environments
- Disassemble easily for cleaning and repair
- Control the switch point with precision and allow for plunger over travel
- Specialize the application for a variety of sizes, approaches, and requirements
- Steel/Chrome Plated Actuator Tip Material



	ROUND TIP	SET015A	SET015F	SET017R	SET017T
	Sensor – Output logic PNP, NO	BES01ZW	BES01ZU		
	Sensor – Output logic NPN, NO			BES01ZT	BES01ZR
	CHISEL TIP	SET0167	SET0168	SET017U	SET017W
	Sensor – Output logic PNP, NO	BES01ZW	BES01ZU		
	Sensor – Output logic NPN, NO			BES01ZT	BES01ZR
	FLAT TIP	SET0169	SET016A	SET017Y	SET017Z
	Sensor – Output logic PNP, NO	BES01ZW	BES01ZU		
	Sensor – Output logic NPN, NO			BES01ZT	BES01ZR
	THREADED TIP	SET016C	SET016E	SET0180	SET0181
	Sensor – Output logic PNP, NO	BES01ZW	BES01ZU		
	Sensor – Output logic NPN, NO			BES01ZT	BES01ZR
	Housing material	Brass M18	Brass M18	Brass M18	Brass M18
	Connection	M8 Connector	M12 Pigtail	M8 Connector	M12 Pigtail

## TIP ACCESSORIES



	BAM025T	BAM02YU	BAM02JU	BAM027T	BAM02JW	BAM02JY
Tip Type	Paddle	Paddle	M4	M6	M8	M10
	<p>2" Steel Outfeed Paddle provides a greater surface area for out feed material to come in contact with, particularly useful when the strip material may be lighter and can wobble when exiting a die</p>		<p>1" Steel Paddle is used typically in outfeed situations in progressive stamping situations where a small diameter paddle "target" is desired for the out feeding strip to contact</p>		<p>Tip for Error Proofing nut detection</p>	

## MOUNTING ACCESSORIES



BAM00RY	BAM00T0	BAM00T2	BAM00FC	BAM00F5	BAM02WR*	BAM02ZM*	BAM02Y0*
Right angle steel mounting bracket accepts an M18 sensor or Plunger Probe and is adjustable	Right angle, adjustable steel mounting bracket (long mounting base)	Right angle, steel, spring loaded mounting base, typically used for securing tubular photoelectric sensors for precision alignment (i.e., M18 tubular laser), also provides a viable option for precision alignment with Plunger Probe	Aluminum block with positive stop, low-profile, versatile adjustable aluminum mount typically used for mounting inductive proximity sensors, also provides a durable, adjustable low-profile surface mount for Plunger Probe	Copper plated steel M18 Bunker Block provides a very robust, impact resistant mounting option for Plunger Probe	Brush to combat dirt and debris from entering plunger area	Delrin Contoured Mount (Misumi-Type), an internally threaded (M18x1) Delrin mount in which a Plunger Probe may be inserted for universal outfeed metal stamping applications. It mimics many of the spring loaded out feed mechanisms found in progressive metal stamping.	Aluminum bushing (insert) with a 30 mm outer diameter and an M18 x 1 mm inner threaded center. Can be inserted into an M30 Bunker Block (Part Number BAM00HR) to accept an M18 x 1mm Plunger Probe – the most robust, adjustable mounting option available for this device.

\* Availability pending. Consult factory.